TEJUS
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Test Report on Cement

Project	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRIDL, Bangalore
Sample ID	Cement
Date of Sample Tested	22.05.18
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	36 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	341 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	2mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	29.00%	25 % to 35

For TEJUS CONSULTANTS
Authorised Signatory

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Client	Bruhat Bangalore Mahanagar Palike
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Contractor	M/s KRIDL, Bangalore
Sample ID	Cement
Date of Sample Tested	22.05.18
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	34 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	332 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	2mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	28.00%	25 % to 35

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TEST REPORT	
Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	M/s KRIDL, Bangalore

SPECIFIC GRAVITY AND WATER ABSORPTION
FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (River Sand/ M sand)	Proposed Use	PCC
Location/Source	At Site/Plant	Date of Sampling	22.05.18
Period of Soaking	24 hours	Date of Testing	22.05.18

Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.	650	654	658	
B	Weight of oven - dry sample gm.	641	643	648	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1684	1688	1690	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.660	2.668	2.667	2.665
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.404	1.711	1.543	1.553

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4
Consultants	Tejus Consultants, Bangalore
Contractor	M/s KRIDL, Bangalore

SIEVE ANALYSIS

Total Weight:	3000 gms				
Type of Material	Fine aggregate (River Sand/ M sand)		Proposed Use	PCC	
Sample Location	At Site/Plant		Date of Sampling	22.05.18	
			Date of Testing	22.05.18	
IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	210	210	7.00	93.00	90 - 100
2.36 mm	314	524	17.47	82.53	75 - 100
1.18 mm	412	936	31.20	68.80	55 - 90
0.600 mm	468	1404	46.80	53.20	35 -59
0.300 mm	752	2156	71.87	28.13	8-30
0.150 mm	624	2780	92.67	7.33	0 - 10
Pan	220	3000			-
Remarks :			Satisfactory / Not Satisfactory		

Consultant's Representative

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TEST REPORT					
Clients	Bruhath Bangalore Mahanagara Palike				
Project	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	M/s KRIDL, Bangalore				
Total Weight in gm:	3000				
SIEVE ANALYSIS					
Type of Material	40 mm down size			Proposed Use	PCC
Sample Location	At Site/Plant			Date of Sampling	22.05.18
				Date of Testing	22.05.18
IS Sieve Size	Weight Retained in gm	Cum. Weight Retained in gm	Cumulative Weight Retained in %	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA-2007) % of Passing For Graded Aggregate of Nominal Size
80.00mm	0	0	0.00	100.00	100
63.00mm	0	0	0.00	100.00	-
40.00mm	258	258	8.60	91.40	95-100
20.00mm	1130	1388	46.27	53.73	30-70
10.00mm	962	2350	78.33	21.67	10-35
4.75mm	520	2870	95.67	4.33	0-5
Pan	130	3000	100.00	0.00	
Remarks :	Satisfactory / Not Satisfactory				

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TEJUS
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Test report on Compressive strength of Solid Block

Project	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRIDL, Bangalore
Cross sectional area	80000 mm2
Size of cube	400mm x 200mm x 200mm
No. of Block Tested	3
Reference IS code:	IS:2185 (Part 1)- 2005

Sl.No.	Date of Sampling	Date of testing	Area of Cube	Failure load	Compressive strength	Minimum Required compressive strength of individual units
Units	DD/MM/YYYY	DD/MM/YYYY	mm^2	kN	N/mm^2	N/mm^2
1	29.05.18	29.05.18	80000	290.00	3.63	3.50
2	29.05.18	29.05.18	80000	288.00	3.60	
3	29.05.18	29.05.18	80000	286.00	3.58	

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Test report on Compressive strength of Solid Block

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Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRIDL, Bangalore
Cross sectional area	80000 mm2
Size of cube	400mm x 200mm x 200mm
No. of Block Tested	3
Reference IS code:	IS:2185 (Part 1)- 2005

Sl.No.	Date of Sampling	Date of testing	Area of Cube	Failure load	Compressive strength	Minimum Required compressive strength of individual units
Units	DD/MM/YYYY	DD/MM/YYYY	mm^2	kN	N/mm^2	N/mm^2
1	29.05.18	29.05.18	80000	288.00	3.60	3.50
2	29.05.18	29.05.18	80000	286.00	3.58	
3	29.05.18	29.05.18	80000	287.00	3.59	

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Test report on Compressive strength of Solid Block

Project	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4
Client	Bruhat Bangalore Mahanagar Palike
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No. of Block Tested	3
Reference IS code:	IS:2185 (Part 1)- 2005

Sl.No.	Date of Sampling	Date of testing	Area of Cube	Failure load	Compressive strength	Minimum Required compressive strength of individual units
Units	DD/MM/YYYY	DD/MM/YYYY	mm^2	kN	N/mm^2	N/mm^2
1	29.05.18	29.05.18	80000	290.00	3.63	3.50
2	29.05.18	29.05.18	80000	291.00	3.64	
3	29.05.18	29.05.18	80000	287.00	3.59	

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NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC/KRIDL/QC/2018-19 Date: 31.05.2018

TEST RESULTS OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : **Bruhat Bangalore Mahanagar Palike**
Agency : **M/s KRIDL, Bangalore.**
Name of Work : Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4
Sample Identification : 16mm TMT Bars
Technical Reference : IS 1786:2008, IS 1608:2005, IS 1599:1985 (Reaffirmed 2006)
Date of test: : 31.05.2018

Sl.No	Nominal size (dia in mm)	Mass per metre (kg/metre)	TENSILE STRENGTH		
			0.20 % proof stress/ yield stress ($N/mm^{2)}$	Tensile strength ($N/mm^{2)}$	Elongation, percent on gauge length
1	16	1.59	563	590	18

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

For Civil Experts
Authorised Signat...

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